

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : **NOK CORP**

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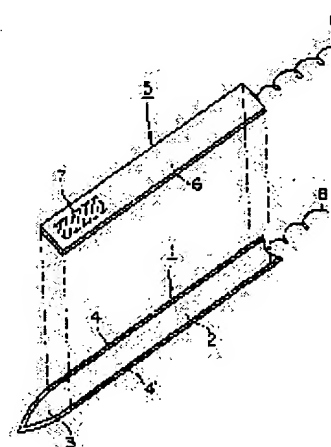
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(54) GLUCOSE SENSOR

(57)Abstract:

PURPOSE: To facilitate the immobilization of enzyme and manufacturing by a method wherein a glucose oxidase immobilizing flat plate-shaped acting electrode is bonded to the cut surface of a hollow needle like opposed electrode through an insulating layer in such a state that the enzyme immobilizing surface of the acting electrode is turned toward the inside.

CONSTITUTION: A hollow needle like opposed electrode 1 is formed by obliquely cutting the leading end part of the half cut body of a platinum hollow needle. Glucose oxidase (GOD) 7 is immobilized on the single surface of a GOD immobilizing flat plate-shaped acting electrode 5. The acting electrode 5 is bonded to the electrode 1 through the epoxy resin adhesive layer applied to the cut surface of the electrode 1 so that the enzyme immobilizing surface of the acting electrode 5 is turned toward the inside. By this method, a sensor easy in the immobilization of enzyme and manufacturing, easily inserted in a living body and suitable for measuring a sugar level in blood is obtained.



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